

IN THE CLAIMS:

Please amend claims 1-7 as follows:

1. (Amended) A heat-transfer pipe provided with internal grooves, comprising:
a pipe body;
a plurality of rows of grooves including a first row of parallel grooves and a second row of parallel grooves on an inner surface of the pipe body, wherein
the parallel grooves in the first row and the parallel grooves in the second row form V-shaped patterns symmetrically with respect to a pipe axis direction, and
the first row and the second row are different in width in a circumferential direction of the pipe body.

2. (Amended) The heat-transfer pipe provided with internal grooves according to claim 1, further comprising:

secondary grooves, said secondary grooves having a prescribed depth formed from a top side towards a base side at least in part of projected portions formed between respective grooves of the plurality of rows of the grooves arranged in the V-shaped patterns.

3. (Amended) The heat-transfer pipe provided with internal grooves according to claim 2, wherein said secondary grooves are notched grooves in a spiral direction.

4. (Amended) The heat-transfer pipe provided with internal grooves according to claim 1, further comprising:

secondary grooves, said grooves having a prescribed depth formed in an outer surface of at least part of projected portions formed between respective grooves of the rows of grooves arranged in the V-shaped patterns.

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5. (Amended) The heat-transfer pipe provided with internal grooves according to claim 4, wherein

said secondary grooves are fine grooves extending from one side surface of the projected portions to the other side surface thereof.

6. (Amended) A method for manufacturing a heat-transfer pipe provided with internal grooves, comprising the continuous steps of:

marking a plurality of rows of grooves including a first row of parallel grooves and a second row of parallel grooves on a flat, plate-like heat-transfer pipe material by using a first marking roll,

wherein

the parallel grooves in the first row and the parallel grooves in the second row form V-shaped patterns symmetrically with respect to a pipe axis direction, and

the first row and the second row are different in width in a circumferential direction of the pipe body;

marking secondary grooves at least in part of projected portions formed between respective grooves of the plurality of rows of the grooves which are arranged in the V-shaped patterns by using a second marking roll; and

forming the flat plate-like heat-transfer pipe material into a cylindrical pipe by using a roll forming device .

7. (Amended) A device for manufacturing a heat-transfer pipe with internal grooves, comprising:

a first marking roll for marking a plurality of rows of grooves including a first row of parallel grooves and a second row of parallel grooves in a flat plate-like heat-transfer pipe material, wherein

the parallel grooves in the first row and the parallel grooves in the second row form V-shaped patterns symmetrically with respect to a pipe axis direction, and

the first row and the second row are different in width in a circumferential direction of the pipe body;

a second marking roll for marking secondary grooves at least in part of projected portions formed between respective grooves of the plurality of rows of the grooves arranged in V-shaped patterns; and

a roll forming device for forming the flat plate-like heat-transfer pipe material into a cylindrical pipe,

wherein the first marking roll, the second marking roll and the roll forming device are provided successively side by side in a direction of movement of the flat plate-like heat-transfer pipe material so as to continuously mark the grooves arranged in V-shaped patterns and the secondary